Appendix 13.3 Noise Measurement Locations

P1. Park Lane

The microphone was in the free-field on the flat roof of the single storey building at the south west corner of the stadium, immediately overlooking Park Lane and opposite the four storey residential block of flats, Concorde House. This was taken to be representative of the closest point of the proposed southern commercial and residential development to both Park Lane and High Road.

Sound level meter Solo 3 (see Appendix 13.4) was installed on Tuesday 11 November at 17:34 running on mains power and was removed at 09:08 on Monday 17 November 2008.

CRTN Measurement in Park Lane beneath Location P1

A measurement over three consecutive 1-hour periods between 14:00 and 17:00 on Wednesday 19 November 2008 was undertaken at this free-field position on the pavement on the opposite side of Park Lane from the front of Concord House and directly below measurement location P1, to provide road traffic noise data using the CRTN "shortened measurement procedure". The sound level meter used for this was SIP C.

P2. High Road

The microphone was situated 1 m in front of a first floor window and the façade of the Gate House, 748 High Road, immediately to the south of Bill Nicholson Way, the main entrance to the White Hart Lane ground.

Solo 7 commenced monitoring at 17:13 on Tuesday 11 November 2008 and the measurement ended at 08:51 on Monday 17 November 2008.

P3. Northumberland Park

The microphone was mounted at a height of 3.5m above the end of a storage container sited on the forecourt of Unit 9, 12-48 Northumberland Park, approximately opposite the house at 37 Northumberland Park, effectively a free-field situation.

Sound level meter SIP D (see Appendix 13.4) started monitoring at 16:15 on Tuesday 11 November 2008 and was stopped at 09:36 on Monday 17 November 2008. Whilst the meter calibrated satisfactorily at both the start and end of the monitoring subsequent analysis of the measurement data revealed that all data after 23:45 on the 11 November 2008 were unreliable. It appears that damage was caused to the microphone preamplifier cable at the time of installation. A repeat measurement was arranged for the same location commencing at 17:35 on Wednesday 19 November and continuing until 14:36 on Monday 24 November 2008 using SIP C.

P4. Worcester Avenue

The microphone was mounted 1 m in front of the front façade of 41 Worcester Avenue (the house at the southern end of the terrace on the east side of the road), suspended from a first floor window on a tripod.

Solo 6 was installed at 16:44 on Tuesday 11 November 2008 and stopped at 09:55 on Monday 17 November 2008.

P5. East of Worcester Avenue

The microphone was mounted at the rear of 17 Worcester Avenue 1m in front of the rear façade at a height of 3 m above the ground, suspended on a tripod from a window.

This location was selected so as to approximate to the level of noise at the rear of properties fronting north onto Northumberland Park, such as 50 and 52 Northumberland Park, and the service yard area of the proposed supermarket.

Solo 4 commenced measuring at 15:46 on Friday 14 November 2008 and the measurement was ended at 09:47 on Monday 17 November 2008.

S6. South west corner of the stands within the stadium
A camera position was used to mount the microphone in a free field situation at a height of 1.2 m above the camera platform floor.
The Solo 2 sound level meter was left logging data between 17:18 and 21:49 on 12 November 2008.

S7. West stand within the stadium
Another camera position, this time in approximately mid-tier in the centre of the west stand, was used to mount the microphone in a free-field situation at a height of 1.3 m above the camera platform floor.

The Solo 1 sound level meter was left logging data between 17:55 and 22:03 on 12 November 2008.

R8. Corner of Vicarage Road and Park Lane, 1.5m from kerb
Attended measurements on 12 November 2008 with Solo 4 sound level meter between 19:33 and 19:43, 22:30 and 22:40, and finally between 23:09 and 23:19.

R9. In front of 28 Bromley Road
Short attended measurement on 12 November 2008 with Solo 4 between 21:00 and 21:02.

R10. In front of 16 Bromley Road on corner with spur road
Short attended measurement on 12 November 2008 with Solo 4 between 21:04 and 21:06.

R11. In front of 30 Park Lane
Attended measurement on 12 November 2008 with Solo 4 between 20:53 and 20:58.

R12. In the mouth of Lancaster Close (5m and 2.5m from Park Lane kerb)
Attended measurement on 12 November 2008 with Solo 4 between 19:45 and 19:55 (5m from Park lane kerb) and with SIP C sound level meter between 20:33 and 20:43 (2.5m from Park Lane kerb).

R13. In front of Paxton Hall on Paxton Road
Attended measurement on 12 November 2008 with Solo 4 between 20:05 and 20:10.

R14. North side of Paxton Road opposite North Stand Gateways 17-20, 2m from kerb
Attended measurement on 12 November 2008 SIP C sound level meter between 20:05 and 20:15 and again between 21:04 and 21:14.

R15. North side of Paxton Road opposite centre of North Stand
Short attended measurement on 12 November 2008 with Solo 4 between 22:59 and 23:01.

R16. North side of Paxton Road opposite east end of North Stand by car and lorry park

Attended measurements on 12 November 2008 with Solo 4 sound level meter between 21:38 and 21:48, 21:51 and 22:01, and finally between 22:01 and 22:11.

R17. East side of Worcester Avenue on corner with Paxton Road
Attended measurement on 12 November 2008 SIP C sound level meter between 21:21 and 21:27.

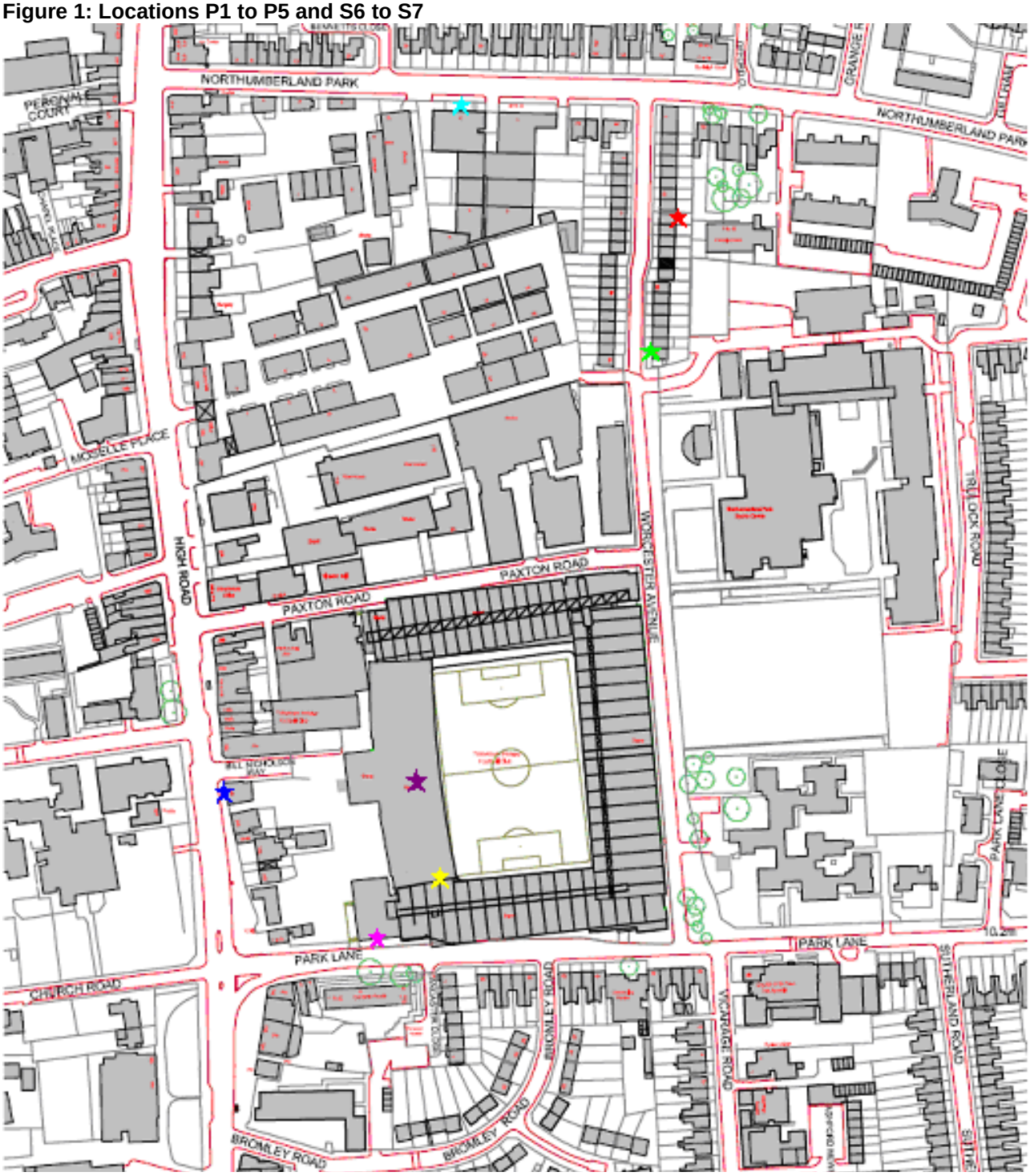
R18. Worcester Avenue in centre of road, towards north end of East Stand
Attended measurement on 12 November 2008 with Solo 4 between 20:40 and 20:47.

R19. In front of 41 Worcester Avenue below long-term location P4
Attended measurement on 12 November 2008 with Solo 4 between 21:07 and 21:12.

R20. In front of 5 Worcester Avenue
Attended measurement on 12 November 2008 with Solo 4 between 21:16 and 21:21.

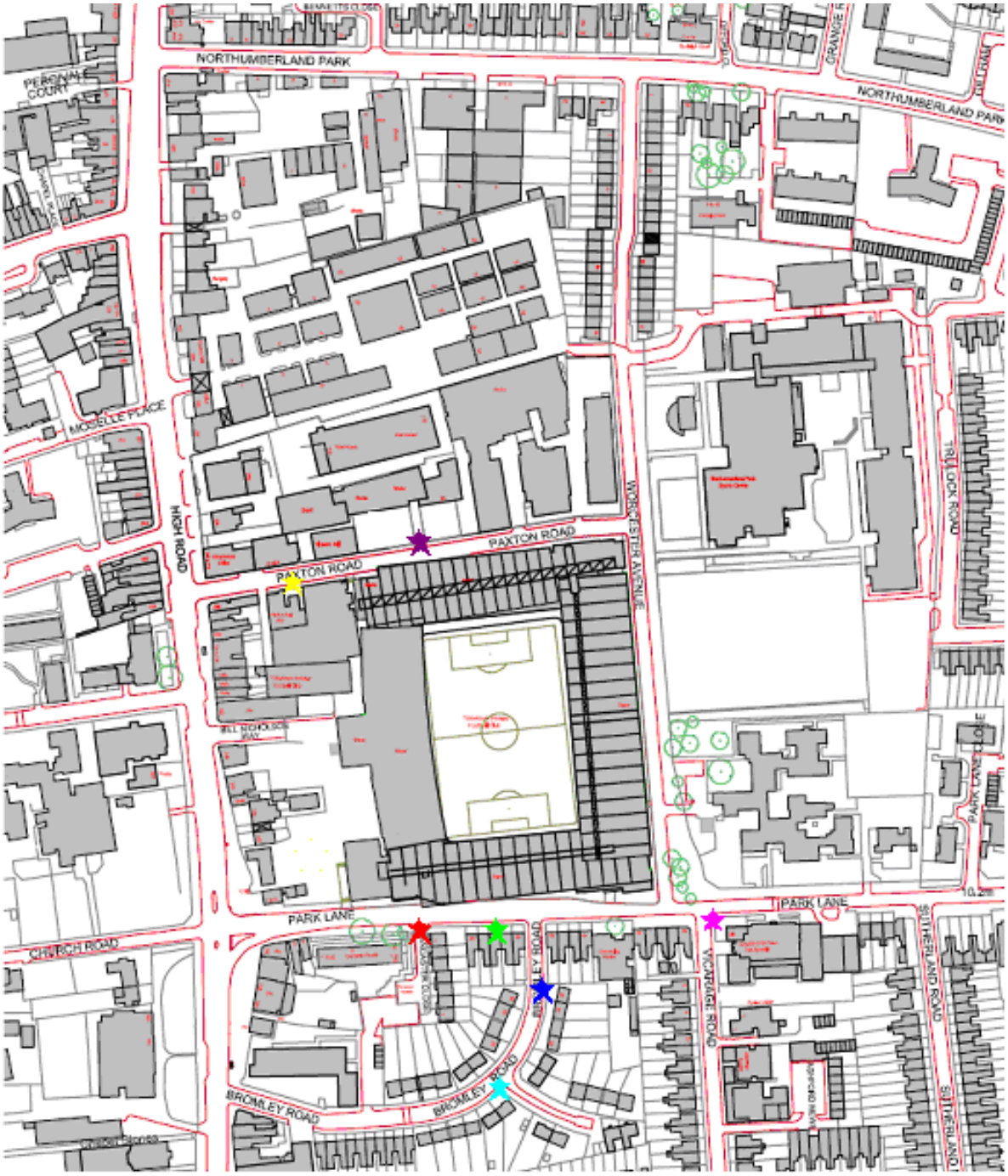
R21. In centre of service yard of Stadium Business Park East
Attended measurements on 12 November 2008 with Solo 4 sound level meter between 21:22 and 21:27, 21:28 and 21:33, and finally between 23:25 and 23:45.

Figure 1: Locations P1 to P5 and S6 to S7



Key:

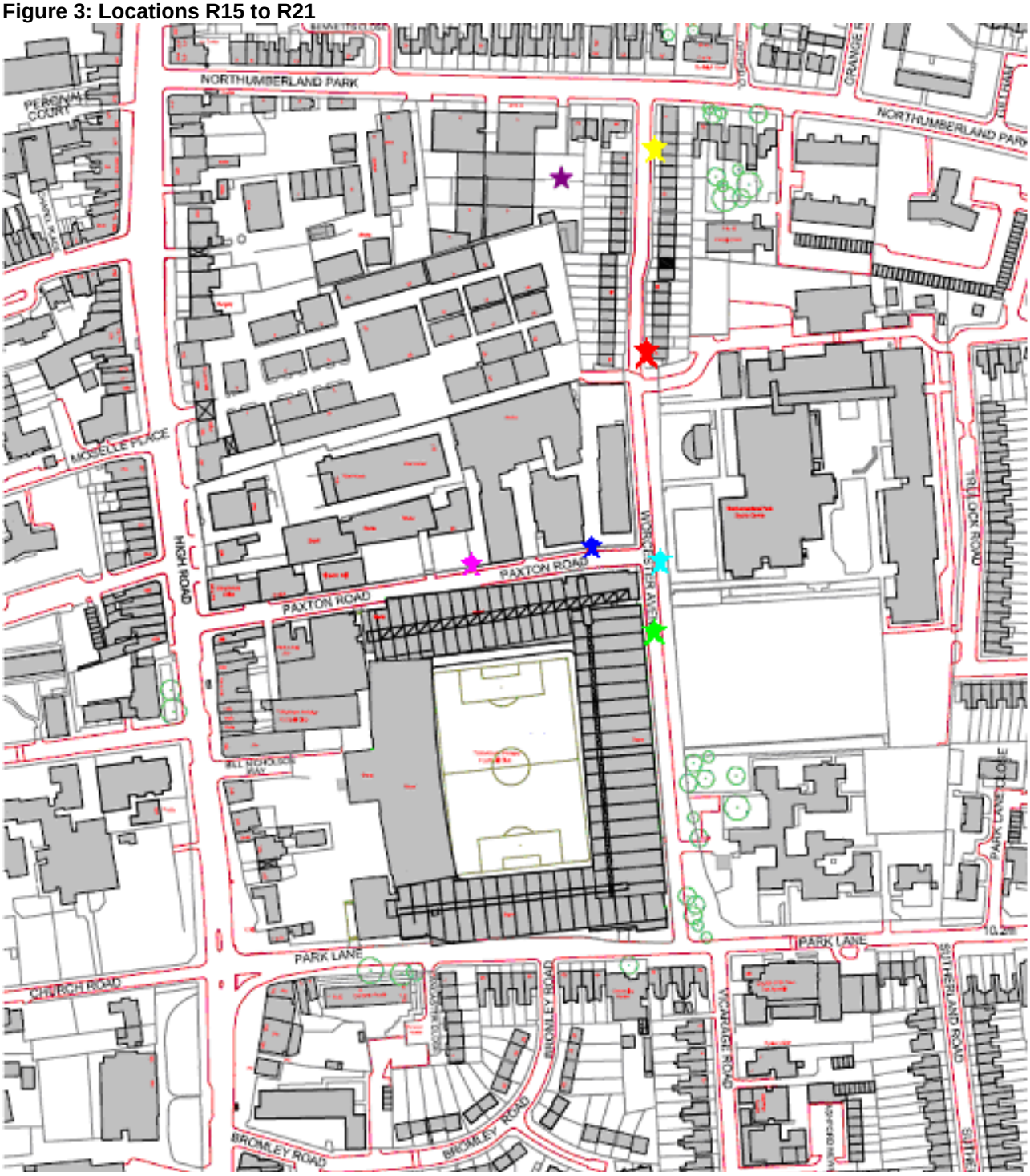
- P1 - Flat roof of single storey room at White Hart Lane fronting Park Lane & High Road
- P2 - The Gate House, 748 High Road
- P3 - Northumberland Park
- P4 - 41 Worcester Avenue 1m from the front building façade at first floor window height
- P5 - 17 Worcester Avenue 1m from the rear building façade at first floor window height
- S6 - South-west corner, lower stand of stadium
- S7 - Mid section, upper tier of Western Stand



Key:

- R8 - Corner of Vicarage Road and Park Lane, 1.5m from kerb
- R9 - In front of 28 Bromley Road
- R10 - In front of 16 Bromley Road on corner with spur road
- R11 - In front of 30 Park Lane
- R12 - In the mouth of Lancaster Close (2.5m from Park Lane kerb)
- R13 - In front of Paxton Hall on Paxton Road
- R14 - North side of Paxton Road opposite North Stand Gateways 17-20, 2m from kerb

Figure 3: Locations R15 to R21



Key:

- ★ R15 - North side of Paxton Road opposite centre of North Stand
- ★ R16 - North side of Paxton Road opposite east end of North Stand by car and lorry park
- ★ R17 - East side of Worcester Avenue on corner with Paxton Road
- ★ R18 - Worcester Avenue in centre of road, towards north end of East Stand
- ★ R19 - In front of 41 Worcester Avenue below long-term location P4
- ★ R20 - In front of 5 Worcester Avenue
- ★ R21 - In centre of service yard of Stadium Business Park East